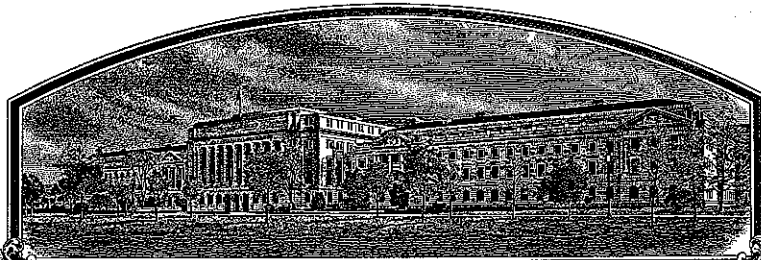


No.

200600298



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

*Syngenta Seeds, Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Platte2'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of January, in the year two thousand and seven.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture

**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE  
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
*(Instructions and information collection burden statement on reverse)*

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

*Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).*

<b>1. NAME OF OWNER</b> <b>Syngenta Seeds, Inc.</b>		<b>2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER</b> <b>96x0799-14W</b>		<b>3. VARIETY NAME</b> <b>Platte2</b>	
<b>4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country)</b> <b>6515 Ascher Road</b> <b>Junction City, Kansas 66441</b>		<b>5. TELEPHONE (include area code)</b> <b>785-210-0218</b>		<div style="border: 1px solid black; padding: 5px;"> <b>FOR OFFICIAL USE ONLY</b>  <b>PVPO NUMBER</b>  <div style="font-size: 2em; font-weight: bold; text-align: center;">200600298</div> </div>	
		<b>6. FAX (include area code)</b> <b>785-210-0231</b>			
<b>7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM ORGANIZATION (corporation, partnership, association, etc.)</b> <b>Corporation</b>		<b>8. IF INCORPORATED, GIVE STATE OF INCORPORATION</b> <b>Delaware</b>		<b>9. DATE OF INCORPORATION</b> <b>2000</b>	
<b>10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <b>Dr. Rollin Sears</b>  <b>6515 Ascher Road</b>  <b>Junction City, Kansas 66441</b> </div> <div style="width: 35%; text-align: center;"> <b>Copy to: Chris Bruns</b>  <b>PO Box 30</b>  <b>Berthoud, CO 80513</b>  <b>crbruns@LPBroadband.net</b> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <b>11. TELEPHONE (Include area code)</b>  <b>785-210-0218</b> </div> <div style="width: 30%;"> <b>12. FAX (Include area code)</b>  <b>785-210-0231</b> </div> </div>					
<b>13. E-MAIL</b> <b>rollin.sears@agripro.com</b>					
<b>14. CROP KIND (Common Name)</b> <b>Hard White Winter Wheat</b>		<b>15. FAMILY NAME (Botanical)</b> <b>Gramineae</b>		<b>16. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>17. GENUS AND SPECIES NAME OF CROP</b> <b>Triticum aestivum</b>		<b>18. IS THE VARIETY A FIRST GENERATION HYBRID?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
<b>19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED</b> (Follow instructions on reverse) <div style="margin-left: 20px;">           a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety            b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness            c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety            d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)            e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership            f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)            g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)         </div>					
<b>20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)</b> <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23)					
<b>21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED					
<b>22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)					
<b>23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)					
<b>24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)					
<b>25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.</b> The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
<b>SIGNATURE OF OWNER</b>  <b>NAME (Please print or type)</b> <b>Dr. Rollin Sears</b>			<b>SIGNATURE OF OWNER</b>  <b>NAME (Please print or type)</b> <b>Dr. Rollin Sears</b>		
<b>CAPACITY OR TITLE</b> <b>R&amp;D Manager</b>			<b>CAPACITY OR TITLE</b> <b>R&amp;D Manager</b>		
<b>DATE</b> <b>8/29/2006</b>			<b>DATE</b> <b>1</b>		

(See reverse for instructions and information collection burden statement)

will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

**Plant Variety Protection Office**

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

2006 00298

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

**ITEM**

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
  - (2) the details of subsequent stages of selection and multiplication;
  - (3) evidence of uniformity and stability; and
  - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (*See Regulations and Rules of Practice, Section 97.103*).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

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**22. CONTINUED FROM FRONT** (Please provide a statement as to the limitation and sequence of generations that may be certified.)

The variety 'NuGrain' will be constituted from Breeders seed, and proceed through Foundation, Registered and Certified in succeeding generations. Generations which may be multiplied will be limited to Breeders seed, Foundation, Registered and Certified.

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**23. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Certified seed stocks of Platte2 will be available in the Fall of 2006.

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**24. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

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**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (*See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.*)

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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

***Exhibit A.***  
***Origin and Breeding History of Platte2***

Platte2 is a cross between Platte/W92-456W. The cross was made in 1996. Platte is a hard white winter wheat released by AgriPro in 1996. W92-456W is a breeding line. It was derived from the cross W81-133-3/87F26915. W81-133-3 was derived from the cross Vona/W76-1141. 87F26915 was derived from the cross 84PYI034-004/W81-133-3. 84PYI034-004 was derived from the cross Oro Blanco and an unknown experimental line. 96x0799W was grown in the greenhouse in 1996 and F2 seed planted at Nardin, Oklahoma in 1997. F3 bulked seed was cleaned using a gravity table and space planted at Berthoud, CO in 1998. Plants were selected based upon plant height and maturity. F4 plant rows were planted in Wichita, KS in 1999. 96x0799W-14W was selected based upon improved disease resistance compared to Platte. It was yield tested in preliminary, advanced and elite trials during the years 2000-2005.

In 2004 four 0.2 acre initial Breeders seed increases were grown in Eaton, Colorado. Upon evaluation for phenotypic uniformity three of these 0.2 acre increases were bulk harvested and produced 1,075 pounds of Breeders seed. In 2005 a five acre Breeders seed increase was grown in Eaton, Colorado which produced 22,008 pounds of Foundation seed.

Platte2 has been uniform and stable since 2004. Less than 0.8% of the plants were rogued from the Breeders seed increase in 2005. Approximately 90% of the rogued variant plants were taller height wheat plants (8 to 15 cm), 5% were awnless wheat plants and 5% were bronze chaffed wheat plants. Up to 0.8% variant plants may be encountered in subsequent generations. A red seed variant has been identified in the Breeders seed and production plots and up to 0.8% may be encountered in subsequent generations.

***Exhibit B.***  
***Statement of Distinctness***

Platte2 most similar to the hard white winter wheat 'NuGrain'. However it can be distinguished by the following characteristics:

- Platte2 has a tapering head shape (Lucerne, Colorado 2004-2005).  
NuGrain has a strap head shape (Lucerne, Colorado 2004-2005 ).
- Platte2 has a short brush length on the seed (Lucerne, Colorado 2004-2005). NuGrain has a medium brush length on the seed (Lucerne, Colorado 2004-2005 ).
- Platte2 has a short glume length (Lucerne, Colorado 2004-2005).  
NuGrain has a medium glume (Lucerne, Colorado 2004-2005 ).
- Platte2 has a narrow glume width (Lucerne, Colorado 2004-2005).  
NuGrain has a medium glume width (Lucerne, Colorado 2004-2005 ).

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

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**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION  
BELTSVILLE, MARYLAND 20705**

EXHIBIT C

**OBJECTIVE DESCRIPTION OF VARIETY  
WHEAT (*Triticum* Spp.)**

<b>NAME OF APPLICANT(S)</b> <b>Syngenta Seeds, Inc.</b>	<b>TEMPORARY OR EXPERIMENTAL DESIGNATION</b> <b>96x0799-14W</b>	<b>VARIETY NAME</b> <b>Platte2</b>
<b>ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country)</b> <b>6515 Ascher Road Junction City, Kansas 66441</b>		<b>FOR OFFICIAL USE ONLY</b>  <b>PVPO NUMBER</b> <b>2006 00298</b>

**PLEASE READ ALL INSTRUCTIONS CAREFULLY:**

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,    or  ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: \_\_\_\_\_ Please answer all questions for your variety; lack of response may delay progress of your application.

<b>1. KIND:</b> <input type="text" value="1"/> 1=Common 2=Durum 3=Club 4=Other (specify) _____		<b>2. VERNALIZATION:</b> <input type="text" value="2"/> 1=Spring 2=Winter 3=Other (specify) _____																	
<b>3. COLEOPTILE ANTHOCYANIN:</b> <input type="text" value="1"/> 1=Absent    2=Present		<b>4. JUVENILE PLANT GROWTH:</b> <input type="text" value="2"/> 1=Prostrate    2=Semi-erect    3=Erect																	
<b>5. PLANT COLOR (boot stage):</b> <input type="text" value="3"/> 1 = Yellow-Green 2 = Green 3 = Blue-Green		<b>6. FLAG LEAF (boot stage):</b> <table border="1"> <tr> <td><input type="text" value="1"/></td> <td>1 = Erect</td> <td>2 = Recurved</td> </tr> <tr> <td><input type="text" value="2"/></td> <td>1 = Not Twisted</td> <td>2 = Twisted</td> </tr> <tr> <td><input type="text" value="2"/></td> <td>1 = Wax Absent</td> <td>2 = Wax Present</td> </tr> </table>		<input type="text" value="1"/>	1 = Erect	2 = Recurved	<input type="text" value="2"/>	1 = Not Twisted	2 = Twisted	<input type="text" value="2"/>	1 = Wax Absent	2 = Wax Present							
<input type="text" value="1"/>	1 = Erect	2 = Recurved																	
<input type="text" value="2"/>	1 = Not Twisted	2 = Twisted																	
<input type="text" value="2"/>	1 = Wax Absent	2 = Wax Present																	
<b>7. EAR EMERGENCE:</b> <table border="1"> <tr> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> <td>Number of Days (Average)</td> </tr> <tr> <td><input type="text" value="0"/></td> <td><input type="text" value="2"/></td> <td></td> <td>Number of Days Earlier Than * <u>Platte</u></td> </tr> <tr> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> <td></td> <td>Same As * _____</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Number of Days Later Than * _____</td> </tr> </table> <p>*Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial</p>				<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Number of Days (Average)	<input type="text" value="0"/>	<input type="text" value="2"/>		Number of Days Earlier Than * <u>Platte</u>	<input type="text" value="0"/>	<input type="text" value="0"/>		Same As * _____				Number of Days Later Than * _____
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Number of Days (Average)																
<input type="text" value="0"/>	<input type="text" value="2"/>		Number of Days Earlier Than * <u>Platte</u>																
<input type="text" value="0"/>	<input type="text" value="0"/>		Same As * _____																
			Number of Days Later Than * _____																
<b>8. ANTHOR COLOR:</b> <input type="text" value="1"/> 1 = YELLOW    2 = PURPLE																			

9. PLANT HEIGHT: (from soil to top of head, excluding awns):

200680298

0	7	3
---	---	---

cm (Average)

0	0
---	---

cm Taller Than

\* \_\_\_\_\_

--	--

Same As

\* Platte

cm Shorter Than

\* \_\_\_\_\_

10. STEM:

A. ANTHOCYANIN

1
---

1 = Absent 2 = Present

D. INTERNODE

1
---

1 = Hollow 2 = Semi-solid 3 = Solid

5
---

Number of Nodes

B. WAXY BLOOM

2
---

1 = Absent 2 = Present

E. PEDUNCLE

0
---

1 = Erect 2 = Recurved 3 = Semi-erect

0	0
---	---

cm Length

C. HAIRINESS (last internode of rachis)

2
---

1 = Absent 2 = Present

F. AURICLE

2
---

Anthocyanin 1 = Absent 2 = Present

2
---

Hair: 1 = Absent 2 = Present

11. HEAD (At Maturity)

A. DENSITY

2
---

1 = Lax  
2 = Middense (Laxidense)  
3 = Dense

C. CURVATURE

2
---

1 = Erect  
2 = Inclined  
3 = Recurved

B. SHAPE

1
---

1 = Tapering  
2 = Clavate  
3 = Strap  
4 = Other (specify) \_\_\_\_\_

D. AWNEDNESS

4
---

1 = Awnless  
2 = Apically awnletted  
3 = Awnletted  
4 = Awned

12. GLUMES: (At Maturity)

A. COLOR

3
---

1 = White  
2 = Tan  
3 = Other (specify) yellow

E. BEAK WIDTH

2
---

1 = Narrow  
2 = Medium  
3 = Wide

B. SHOULDER

2
---

1 = Wanting 2 = Oblique  
3 = Rounded 4 = Square  
5 = Elevated 6 = Apiculate  
7 = Other (Specify) \_\_\_\_\_

F. GLUME LENGTH

1
---

1 = Short (ca. 7mm)  
2 = Medium (ca. 8mm)  
3 = Long (ca. 9mm)

C. SHOULDER WIDTH

2
---

1 = Narrow  
2 = Medium  
3 = Wide

G. WIDTH

1
---

1 = Narrow (ca. 3mm)  
2 = Medium (ca. 3.5mm)  
3 = Long (ca. 4mm)

D. BEAK

3
---

1 = Obtuse  
2 = Acute  
3 = Acuminate

## 13. SEED:

## A. SHAPE

**1**

- 1 = Ovate  
2 = Oval  
3 = Elliptical

## E. COLOR

**1**

- 1 = White  
2 = Amber  
3 = Red  
4 = Other (Specify) \_\_\_\_\_

## B. CHEEK

**1**

- 1=Rounded  
2=Angular

## F. TEXTURE

**1**

- 1 = Hard  
2 = Soft  
3 = Other (Specify) \_\_\_\_\_

## C. BRUSH

**1**

- 1 = Short  
2 = Medium  
3 = Long

**1**

- 1 = Not Collared  
2 = Collared

## G. PHENOL REACTION (See Instructions)

**0**

- 1 = Ivory  
2 = Fawn  
3 = Light Brown  
4 = Dark Brown  
5 = Black

## D. CREASE

**1**

- 1 = Width 60% or less of Kernel  
2 = Width 80% or less of Kernel  
3 = Width Nearly as Wide as Kernel

## H. SEED WEIGHT

**N A**

g/1000 Seed (Whole number only)

## I. GERM SIZE

**2**

- 1 = Small  
2 = Midsize  
3 = Large

## 14. DISEASE:

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

(0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

<b>2</b>	Stem Rust ( <i>Puccinia graminis</i> f. sp. <i>tritici</i> )	Field	<b>2</b>	Leaf Rust ( <i>Puccinia recondita</i> f. sp. <i>tritici</i> )	Field races
<b>3</b>	Stripe Rust ( <i>Puccinia striiformis</i> )	Field	<b>0</b>	Loose Smut ( <i>Ustilago tritici</i> )	
<b>4</b>	Tan Spot ( <i>Pyrenophora tritici-repentis</i> )		<b>0</b>	Flag Smut ( <i>Urocystis agropyri</i> )	
<b>0</b>	Halo Spot ( <i>Selenophoma donacis</i> )		<b>0</b>	Common Bunt ( <i>Tilletia tritici</i> or <i>T. laevis</i> )	
	<i>Septoria nodorum</i> (Glume Blotch)		<b>0</b>	Dwarf Bunt ( <i>Tilletia controversa</i> )	
<b>0</b>	<i>Septoria avenae</i> (Speckled Leaf Disease)		<b>0</b>	Karnal Bunt ( <i>Tilletia indica</i> )	
<b>4</b>	<i>Septoria tritici</i> (Speckled Leaf Blotch)		<b>0</b>	Powdery Mildew ( <i>Erysiphe graminis</i> f. sp. <i>tritici</i> )	Field races
<b>0</b>	Scab ( <i>Fusarium</i> spp.)		<b>0</b>	Snow Molds	
<b>0</b>	Black Point (Kernel Smudge)		<b>0</b>	Common Root Rot ( <i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.)	
<b>0</b>	Barley Yellow Dwarf Virus (BYDV)		<b>0</b>	Rhizoctonia Root Rot ( <i>Rhizoctonia solani</i> )	
<b>2</b>	Soilborne Mosaic Virus (SBMV)		<b>0</b>	Black Chaff ( <i>Xanthomonas campestris</i> pv. <i>translucens</i> )	
<b>3</b>	Wheat Yellow (Spindle Streak) Mosaic Virus		<b>0</b>	Bacterial Leaf Blight ( <i>Pseudomonas syringae</i> pv. <i>syringae</i> )	
<b>4</b>	Wheat Streak Mosaic Virus (WSMV)			Other (specify) _____	
	Other (specify) _____			Other (specify) _____	
	Other (specify) _____			Other (specify) _____	
	Other (specify) _____			Other (specify) _____	

## 15. INSECT:

(0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

<b>1</b>	Hessian Fly ( <i>Mayetiola destructor</i> )		Other (specify) _____
<b>0</b>	Stem Sawfly ( <i>Cephus</i> spp.)		Other (specify) _____
<b>0</b>	Cereal Leaf Beetle ( <i>Oulema melanopa</i> )		Other (specify) _____



PLEASE SPECIFY BIOTYPE (where needed)

2006 00298

0

Russian Aphid (*Diuraphis noxia*)

☐

Other (specify)

0

Greenbug (*Schizaphis graminum*) "C"

☐

Other (specify)

0

Aphids

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

None

***Exhibit D.***  
***Additional Description of Platte2***

Platte2 is a hard white winter wheat variety developed by AgriPro for grain production. Platte2 is a cross between Platte/W92-456W. It is a medium height semidwarf variety, awned and has yellow chaff at maturity. It has medium late maturity, similar to Platte and excellent straw strength. It has improved *Septoria triticii* and tan spot tolerance over Platte. Improved stripe rust tolerance and better dryland grain yield performance. Platte2 has been shown to have equal milling and baking characteristics when compared to Platte.

Platte2 is best adapted to both irrigated and dryland regions of the western high plains, including western Kansas, eastern Colorado and the panhandle of Nebraska .

Platte2 is resistant to field races of leaf rust and stem rust. It has intermediate resistance to stripe rust. It has tolerance to *Septoria triticii* and Tan spot. Platte2 is susceptible to Hessian Fly.

Juvenile growth habit is semi-erect. Auricle anthocyanin and auricle hairs are present. Plant color at boot stage is blue green. Anther color is yellow. Flag leaf is erect and twisted at boot stage. Head shape is tapering and awned. Glume shoulder shape is oblique with an acuminate beak. Glume length is short and glume width is narrow. Chaff color is yellow at maturity. Seed shape is ovate with short brush hairs that occupy a midsize area. Seed crease depth is shallow and seed crease width is narrow. Seed cheeks are rounded.

## AgriPro Yield data (2003-2005)

200600298

	Dryland Performance							
	2003		2004		2005		3 yr Average	
	Bu/A	TW	Bu/A	TW	Bu/A	TW	Bu/A	TW
<b>Platte</b>	40.4	59.3	56.1	61.3	45.1	57.1	47.2	59.2
<b>96x0799-14W</b>	45.6	59	54.5	61.6	50.2	58	50.1	59.5

	Irrigated Performance							
	2003		2004		2005		3 yr Average	
	Bu/A	TW	Bu/A	TW	Bu/A	TW	Bu/A	TW
<b>Platte</b>	119.3	61.3	98.1	66.5	74.1	60.6	97.2	62.8
<b>96x0799-14W</b>	117.6	61	86.2	64.9	83.4	62.9	95.7	62.9

**96x0799W-14W:** better performance under dryland conditions; equal too Platte under irrigated conditions  
improved stripe rust tolerance (moderately susceptible)

## AgriPro Quality Data:

Variety	Year	Loc	Wht	Prot	Flr Prot	NHrd	FlrYld	Ash	Pk	Time	PktHt	Tol	Mix	Abs	B	Bake	Loaf	Grain	Tex	Color	FallNo
96x0799-14W	2005	IN	14.0	12.7	76	72.1	0.42	3.50	5.00	969	67.5	67.5	3.1	1125	4	3	3				
96x0799-14W	2005	IN	14.3	13.2	77	70.6	0.42	4.50	5.00	1087	68.5	68.5	4.2	1140	4	3	2				
96x0799-14W	2005	MK	13.5	12.5	65	70.5	0.41	4.00	5.00	1206	66.5	66.5	3.5	1040	3	2	3				
96x0799-14W	2005	MK	12.5	11.2	61	69.7	0.44	4.50	4.50	1084	65.5	65.5	4.5	930	4	3	3				
96x0799-14W	2005	SK	13.3	12.0	58	70.7	0.37	4.00	5.00	1175	64.0	64.0	4.3	1010	4	3	3				135
96x0799-14W	2004	HK	11.2		54																229
96x0799-14W	2004	HK	13.3		60																233
96x0799-14W	2004	MK	15.1	14.4	87	68.4	0.43	3.00	5.00	730		67.0	3.0	1070	4	3	2				
96x0799-14W	2003	DL4		13.6	79	68.8	0.39	3.50	5.25	789		70.0	3.5	1035	4	3	3				
96x0799-14W	2003	IRW	13.4	12.0	69	70.1	0.40	2.50	5.00	1036		64.0	2.8	990	2	2	2				
96x0799-14W	2002	DW	17.6	16.0	78	67.6	0.38	3.00	5.25	618		68.0	3.0	1040	3	3	3				
96x0799-14W	2002	IRW	15.1	13.9	63	70.1	0.35	4.00	5.25	817		66.5	3.5	1180	4	3	3				
PLATTE	2005	IN	14.5	13.2	69	70.8	0.46	3.75	5.00	1070	69.5	69.0	3.9	1070	5	3	3				
PLATTE	2005	IN	14.4	13.3	81	69.9	0.46	4.00	5.00	1048	69.0	68.5	3.9	1105	5	3	3				
PLATTE	2005	MK	13.3	12.3	65	70.6	0.43	3.25	5.00	1107	66.5	66.5	3.1	1000	4	3	3				
PLATTE	2005	MK	14.2	13.0	64	69.9	0.42	3.75	5.00	1146	67.5	67.5	3.6	1070	4	3	3				
PLATTE	2005	SK	13.1	11.8	65	68.9	0.40	2.50	5.25	921	64.5	64.5	3.0	1050	4	3	3				107
Platte	2004	HK	13.8		65																131
Platte	2004	HK	15.1		70																127
PLATTE	2004	MK	14.2	13.2	84	67.3	0.44	3.25	5.00	845		66.0	3.3	1035	4	2	3				
PLATTE	2003	DL4		12.8	74	67.8	0.44	3.00	5.25	867		68.0	3.1	1050	4	3	3				
PLATTE	2003	IRW	13.2	12.0	67	70.4	0.43	3.00	5.25	1037		64.5	3.0	1010	3	3	2				
PLATTE	2002	DW	17.5	16.0	74	67.6	0.40	3.75	5.25	736		68.0	2.8	1075	4	3	3				
PLATTE	2002	IRW	14.7	13.5	71	69.8	0.40	3.50	5.50	930		65.5	3.0	1070	4	2	2				

10

Platte2 (96x0799-14W)

**Agronomics & Disease characteristics****AgriPro rating**200600298  
Source

Barley Yellow Dwarf Virus: n/a	n/a	
Head scab: n/a	n/a	
Hessian Fly: susceptible	9	AgriPro
Leaf Rust: resistant	2	AgriPro
Stem Rust: resistant	1	AgriPrp
Stripe Rust: intermediate	6	AgriPro
Septoria leaf blotch: moderately resistant	4	AgriPro
Tan Spot: moderately resistant	4	AgriPro
Wheat soil borne mosaic virus: resistant	n/a	
Wheat spindle streak mosaic virus: intermediate	n/a	
Wheat streak mosaic virus: moderately resistant	n/a	
Coleoptile length: medium	5	AgriPro
Grazing potential: n/a	n/a	
Height: medium	4	AgriPro
Maturity: medium late	4	AgriPro
Preharvest sprouting tolerance: poor	8	AgriPro
Milling & baking quality: good	Good	AgriPro
Protein: good	good	AgriPro
Seed size: large	3	AgriPro
Shattering reputation: very good	3	AgriPro
Straw strength: excellent	2	AgriPro
Test Weight: very good	3	AgriPro
Winterhardiness: good	5	AgriPro
Yield Potential where adapted: excellent		AgriPro

11

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)  Syngenta Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 96x0799-14W	3. VARIETY NAME  Platte2
4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country)  6515 Ascher Road  Junction City, Kansas 66441	5. TELEPHONE (include area code)  785-210-0218	6. FAX (include area code)  785-210-0231
	7. PVPO NUMBER  200600298	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Please see following page.

## PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

***Exhibit E.******Statement of the Basis of Applicant's Ownership***

The variety for which Plant Variety Protection is hereby sought was developed by Rollin Sears, an employee of Syngenta Seeds, Inc. By agreement between employees and Syngenta, all rights to any invention, discovery, or development made by the employee while employed by Syngenta, were assigned to Syngenta Seeds, Inc., with no rights of any kind pertaining to 'Platte2' being retained by the employees.

The variety 'Platte2' is owned by Syngenta Seeds, Inc.